L-13
1937
7

L. Stejneger 1897

II

Bering Island

South Bay. July 26 (cont) - 201

July 30. 228

Village July 31 - Aug 12

228 - 233

Copper Island

Glinka Aug 20 - 234 -

Optimi Eid. D. Dei Georgii a
Mandello ad Nazarium Nep
Antiq. —

1897

(July 26. Contin)

The conditions for counting the pups being unusually favorable, nearly all being on shore, with but few females to disturb, we set about to count them carefully. The only difficulties were that in some places the pups were lying very close together, and that the innumerable markings made the work a veritable torture.

The first count was very unsatisfactory. My figures

(26) were 512 pups, of which
458 on the beach. D. Hamiltons
figs. are very much lower.
We counted again with very
much the same result, I
obtaining 457 on the beach.

Seeing that it was difficult
to agree we started in defining
small separate groups of
pups counting each group
separately and counting it
over and over again in case
of serious disagreement
between our results. In this
way D. Hamiltons count
resulted in 519 pups, while

(26) the means of my four
counts gave 516. We
therefore agreed that there
were over 500 pups on
the working, or between
500 and 520 pups

This result we were
wholly unprepared for, as
only 2 days previously we
had a very satisfactory count
which gave 416 pups as a
maximum figure. Even
admitting that this may
have been slightly below
the actual number we
are well satisfied that the
error cannot possibly have

(26) ~~exceeded~~ reached 10 per cent.

The addional number of pups on the rookery today must therefore have been born since the 24th. This also accounts for the many pups seen lying between the females yesterday.

The weather was perfectly calm; foggy, the fog lifting at intervals.

I took an upright photo. from Sta. 5. interrupted to show the two females in the water.

Thus far no dead pups have been seen on the rookery.

(26) but at the fox burrow just back of our camping place (Sta. 5.) there is a fresh skeleton of a pup showing that the foxes are able to drag a whole pup from the beach up the precipitous cliffs about 70 feet high to their burrows above. Foxes are constantly seen hanging around the rookery, but the seals resent their intrusion and attempt to chase them away. So also with the Larus glaucescens.

	L. S.	D-H.
On shore	306	318
In water	55 (??)	82
On rocks	60	54
Total	421 (??)	454

July 27.- Went to work at 12.30. Calm, cloudy; most females in the sea. Medium low water.

Conditions not being particularly favorable for a count of the pups as a great many were in the water swimming we made only one count of pups as follows:-

	L. S.	D-H.
On shore	306	318
In water	55 (??)	82
On rocks	60	54
Total	421 (??)	454.

To all appearances there were many more

(27) in the water that
we could not see, which
accounts not only for
the difference between our
counts today but also
the difference from that
of last night.

The two and only
balls were repeatedly
seen fighting today. They are
located not far from each
other, the smaller one toward
the western extremity of
the working. As a matter
of fact but very few of
the females seem to belong
to him, the larger male

(27) Adler one claiming most
of the 500 females for
himself and evidently
receiving their allegiance,
incredible as it may seem.
She is yet a good fighting
bull and looks none the
worse for wear.

The spotted female was
not observed on shore.

About 3 o'cl Mr. D. H.
went to the working again
and reported a similar
status, but the personnel
of the polygamist, who
with his 3 females, having
to fight, and went to

(27) Sea is a big stranger
of females. He also
reports the similar
presence and departure
of the spotted cow.

(Evening) At 6 pm. we again
repaired to the rookery.
Full high tide: calm;
drizzly rain and
fog. Most females in
the sea; nearly all
pups ashore and the
outer rocks deserted.
Neither polyxi Kotick, nor
spotted cow visible. Vol-
kirin says there are 6
bachelors ashore among the

(27) cows

The pups are lying very favorably to a good count which gave the following result:—

	Pups.	
	L. S.	O-H.
On shore in 3 parts	143	141
	88	80
	262	276
	493	497
On new rocks awash	20	20
In water	16	16
Total	529 —	533.

Only 2 bulls; no spotted females

Volkstin calculating that there are about 20 240

(27) [illegible] about, though
only 6 could be seen on
shore this morning told us
to be prepared for a drive
at 3 a.m. tomorrow morning
if the conditions were favorable.

July 28. — Nothing came of the
drive, however, as no bubbles
could were on the beach at
the appointed time.

At 10 am we visited
the ry. it being very low
tide, the whole reef being
dry, to shore which I took
a photo from sta. 5. The
weather was pleasant and
warm though overcast.

Penguin Bay

Fox Point

(28) Most of the females were in the sea, only 18 being on the beach, some of which were nursing their young. Even the young pups could not leave the beach to a great extent, most of them being on the outer South rock, while only about 275 were lying on the beach. These were all small, except a few which seemed to be thin and weak as if they were starving. One dead pup was seen at the back of the bay.

Even the smaller bull

(28) had followed the females into the water and was seen sleeping on one of the smaller rocks inside the outer south Rock. The old big one, however, kept his place and looks vigorous and healthy.

Under the circumstances there was no earthly use trying to count.

(Evening) At 6 pm. we returned to the working. High water; a gentle breeze from S; drizzling mist; cool.

The majority of the females are in the water, most

(28) pups on the beach, a few only in the water and on the nearest rock now nearly awash. Outer rocks entirely abandoned by seals.

The females in the water were in three bunches: one very close to the beach; another beyond, but inside the rocks; the third in the kelp. A count was made of the females, but that of the ones in the sea is the merest approximation, of course.

I made two counts as follow:—

L. S.

(28). Fraenatus

A	1 count	2d count
On beach	174	192
In water: near beach	65	65
middle "	110	110
far "	67	67
Total pp	416	434

D-Hamilton's count and estimate was 439.

The pups were difficult to count as one large bunch had herded very closely together, while on the other hand many were lying among the cows with their mothers nursing. The number of the latter is probably under the actual as some may have been hidden from view among the cows.

25

(28) I made only one count which Dr Hamilton, finding his own unsatisfactory, accepted as nearly correct, as follows:—

L. S. Pugs

1 yrd	299
2 "	106
3 "	56
4 "	12
Among the Cows	40
Total	530.

The spotted cow in her usual place.

Both bulls were there on the beach, but the smaller one was entirely deserted by the females. He was sitting alone by himself entirely separated from the old bulls

(28) his harem of 174 cows by the large and compact pod of nearly 300 pups. Sitting as he did he had all the appearance of an "idle" bull which, as we know, he is not. Nevertheless, it is quite true that nearly all the 500 females still clung to the old bull.

About noon went to Kazamia Bays with my plane-table to obtain corrections and additions to my map of Polovi Ay. and to my great gratification found the

(28) sketch unexpectedly
accurate. The chief correction
is in the landing bay and
the location of the houses;
also in the retention of the
reefs caused by the fact that
the map was made from
data obtained at high water
only

R. H. tells me that
Gorbritski had given to
Macoun a number of Brig
Island birds which are now
in the Ottawa Museum. Among
them is a Bombycilla and
possibly other additions to the
avifauna.

July 29. – 12 noon. Low
water, with incoming tide.
Cloudy, occasionally drizzling. Some
most of the females are on
the outer S. rock, only few in
the water.

The count of females
resulted as follows

Ist. Females

On beach	62
On first rocks	41
Scattering	91
S. rocks	198
Coming in	6
In the Bay outside	30
Total	428

D. Hamilton's count of
females slightly larger.

It being impracticable to
count the pups among the

(29) females on S rocks we only counted them on the beach with the result that I got 217 bulls, while B-H. got a few more.

The quickest female was lying on a small rock just off the working beach

It appears that the old and the young bulls have changed places today in as much as what appears to be the former was lying between the cows on S rock, while the younger was established on the beach nearly in the exact

(29) place of the older.

Not 20 feet distant, among the cows was a young Nolusiakatch, probably a 5 years old, lying quietly slapping and awakening by passing cows occasionally snapping at them.

Watched a young pup learn to swim for the first time. He and his mother were quietly resting on a low ledge of rock which was now surrounded by the incoming tide. The water rose rapidly but the pup refused to go into it until it reached

(29) floats him off. With
great trepidation he tried to
get away touching bottom with
his flippers and anxiously
avoiding to get the head
under water. The mother re-
mained near for some time,
but the youngster lost its
head and worked outwards
away from the beach. Soon
the water lifted him clear
off his feet and he had to
swim but it was in a
most awkward manner
and turning in circles. Gradually
he became more expert and
confident, but it was not

(29) Till a couple of otter
pups, expert swimmers and
divers, came to play with
him that he got his first
complete ducking. At first
he resented their play, but
ere under he seemed to
have gained a great deal
of confidence and soon it
was difficult to distinguish
him in the water from his
playmates. — This is probably
the way most of the pups
learn swimming here: they
go out on the rocks at
low tide with their mothers
and the incoming flood

(29) surprises them and obliges them to take to the water.

(Evening) As usual we visited the workers again at high water, 6 pm. It was blowing a moderate SW breeze; cold; foggy.

The conditions of the work were the usual ones. Nearly all the pegs were on the beach, all the water rocks being deserted and only a few in the water, but there were lying in places, the same big heads as last night, so thick that it was very

[29] difficult to get an exact count. In places they were actually piled up several ~~stacks~~ high. We had consequently to count by posts several times comparing our counts and reconciling when the disagreement was too great. The lack of uniformity of the figures of the several posts, however, is in some cases due to the difficulty in properly defining the posts. The final count, gave the following figures:

Pups.

(29)

	L. S.	D-H.
1 pup	92	85
2 "	126	132
3 "	89	81
4 "	162	147
among O ft	54	79
in water	3	3
total	526	527

D-H. counted about 405 cows.

6-8 bachelors on beach.

Spotted cow on beach

Old bull in his old place

Young " on the near W rock

" " with one cow.

2 dead pups; the old one half eaten by foxes.

June 30.— B. Hamilton went to work very at daylight time and found most nets, including both nets of the beach, where only about 200 pups. He found the bodies of 3 pups which he secured. Owing to our hurried departure due to the sudden arrival of the "Yakut" to take us back to Nikolski we had no time to make a dissection, but the extreme leanness of the carcass and the presence of black

(30) fecal matter finds its
Starvation as the cause
of death.

July 31. Klunz tells me that
the Company is said to
have received a reduction
from the Russ. Government
(from to 6 rubl.)
in the pay for the Ostiaks and
that the natives are going
to get more as their share
from the government, but
that this is still unofficial.

Aug. 6. Mr. Gorbunoff tells
me that from next year
the natives are to receive
from the Government

Mon 4. Arr Kwaiau

Sport Fair. + °F.

Sep. 2.40 fair. 29.743 + 72°F.

Sept 3.40 " 29.725 + 66.

1129 138 167 173.3 ft.
962 137 0 —
167 1.21 5-01 C
1336 Fri K
173.346

Left Gisborne 10 45 am [illegible]

" Arr K 3.40 pm
D.L. Ha 11.45
Tuhua 5 15 abeam
Left " 6 pm
Arr Gisborne 6 45

(a) Rbt. 2.50 per skin (hr-seal) instead of 1.50, as formerly, on account of the decrease in the number of skins obtained.

A ship was heard on North Ry, from Recy Friday. Company accepted 720 skins. Total for this Ry to date 2108 skins accepted

"Statistical Information

		1868		1870		1874		1886		1892		1897	
	Native	B	C	B	C	B	C	B	C	B	C	B	C
1	Inhabitants ~~Foreigners (for protection?)~~	283	103	272	103	297	154	329	232	330	296		
2	Churches	–	–	–	–	–	–	–	–	1	1	1	1
3	Chapels	1	1	1	1	1	1	1	2	–	1	1	
4	Schools	–	–	–	–	1	–	1	–	1	–	1	1
5	Dwelling houses	2	1	68	22	10	4	249	41	324	40	73	75
6	Dwelling yurts and barabras	32	7	80	7	42	55		70	183	97	107	32
7	Magazines and sheds	2	1	8	7	5	3	9	11	10	11		
8	Horned cattle	20	–	13	–	28	2	35	10	46	1	62	4
9	Sledge dogs	200	–	245	–	460	–	724	–	562	–	503	
10	Horses	–	–	–	–	–	–	3	4	–	–		
11	Poultry	–	–	32	–	15	12	11	161	32	214	36	147
12	Swine	–	–	–	–	15	–	–	–	–	5	3	9
13	Baidars and Baidarkas	–	–	–	–	26	31	39	70	42	67		
14	Boats	not information		–	–			6	15	11	36	6	38
15	Whaleboats	"	"	"	"	5	2	1	–	–	–		

~~Census L-5.~~ From Sanitch, Otchet, Appnd. No 9. (very defective)

Aug. 9. - Volokitin writes from South Rookery to Mr. Kluge that up to Aug. 6 — 7½ skins have been obtained to date. Pitr. Arrezin does. is in from that ry and states that both bulls have left.

Aug 11. - Mr. Kluge tells me that the officers in charge of Timlin have been involved in the theft of skins for 3 consecutive seasons, 1893, 1894 and 1895. In '93 and '95 it appears that only the officers in charge seem to have been involved, one of them later committed suicide by taking poison in Vladivostok when arrested, but

(11) in 1894 Kirsewetter, then captain of the "Yakut" was part to the affair as well, which involved from the taking of salt aboard the "Yakut" when sailing from Vladivostock. In 1895 the natives of Bering Island were obliged by the officers to assist in taking the skins, and when they left had to give up their skinning knives to the guard, who were using them for their own benefit. The natives on their return did not report, claiming not to think it their business since their chief, Gavriel Volokitin ought to have done so, but he was drowned

(11) accidentally in Petropavlski
on the return voyage to Bering Island.
The story first leaked out in
Vladivostock.

Aug 12. Dies at Seattle Rookery.
Company accepted 1135
bachelors and 21 females
(12 from East year full and
9 from this year).

Glenika Aug. 20 '97

3		3		18
(5)		5		1 9. 5
1	10	+ 1 kids		7 7
2	15			1 1 3
2	14			1 1 2
(1)	6	+ 1 Stags		5 9 5
	4			2 7
2	4			3 8
2½	2			2 1
1	2			2 2
1½	2			2 2
1½	1			1 3
1½				
1½	1			1 5 5
1½	1			1 6 5
16	1			1 4

20 # 1 / 63 62.9 = 71 | 20 | 614.0 | 8.67 | 568 | 460 | 426 | 34.

Aug. 20. Glenika, C. I.

A drive was taken this morning from Zapadni with the poor result of only 71 skins, 62 of which were accepted by the company. One of these skins was rejected as being otagyy, but a number of the accepted ones showed traces of otagyness on the head.

Only 6 skins were under 7 lbs., and one was over 20. The details of the weight were as follows, 8½ lbs being the average of the skins

Aug 20 (n.s.) 1897.

lbs.	Accpt.	Not accepted				Total lbs.
		Stagey	Under w.	Over w.	Oriental	
6			3			18
6½			3			19.5
7	10				1	77
7½	15					112.5
8	14					112
8½	6	1				59.5
9	3					27
9½	4					38
10						
10½	2					21
11	2					22
11½						
12	2					24
12½						
13	1					13
13½						
14						
14½						
15						
15½	1					15.5
16						
16½	1					160.5
17						
18	1					18
19						
20				1		20
	62	1	6	1	1	613.5
	71					

235 average 8.6

(20) Orvir from Zapadni (Glinka, C. J.)

Aug 20 (n.s.) 1897.

lbs.	Accpt.	Not accepted				Total lbs.
		Stagey	Under w.	Over w.	Rotten	
6			3			18
6½			3			19.5
7	10				1	77
7½	15					112.5
8	14					112
8½	6	1				59.5
9	3					27
9½	4					38
10						
10½	2					21
11	2					22
11½						
12	2					24
12½						
13	1					13
13½						
14						
14½						
15						
15½	1					15.5
16						
16½	1					160.5
17						
18	1					18
19						
20				1		20
	62	1	6	1	1	613.5
	71					

235 average 8.6

(20). Larkin showed me a negative of his representing Palata sp. on July 28 (n.s.), '97, taken from the reef of Palata. It is nearer and consequently otherwise somewhat different from my plate 48, 1895, but the various features are easily recognized in both, so that they can be readily compared. Even allowing for the possibility that there are more corals in the water the day Larkin took his photographs (though both photos show that they were taken on foggy days) it is evident that there is a considerable

(20) falling off in the breeding
seals since 1895. This is
particularly demonstrated
in the harems occupying the
brow of the clayey bank
to the ~~north~~ north of the gulley and
the elevated flat ground between the
latter and that bank. On
my pl. 48 the brow of the
bank is yet fairly black
with a continuous belt of
harems; on Lukin's there is
only a series of clumps of
harems, scattered and thin; and
on the flat there are none
at all, not even the solitary
o'katchi to indicate the

Rainbow Point

1 Palatka, July 16 (0.5)
2 Jacksonville, " 22 "
3 Fairfield, June 22 "
4 Hibberdine " " "

(20) location of harems, the females of which might be in the water.

~~during our~~ conversation yesterday Mr. Barrett-Hamilton gave me similar information, viz that he could readily do a diminution from my map and photographs of 1895. His observations during 1896 were too cursory and late to allow of any comparison to be made.

7. [illegible] branch 29.[illegible] + 54 [illegible]

8. 30 - [illegible] Japadnoi 29.085 + 52 [illegible]

9. 45 branch Japadnoi 29.98 + 58.

2 [illegible] top of rise from Palata 28.545 + 54 [illegible]

4 " branch at Glinka 29.96 + 55

29.085 = 1757

29.990 = 903

854 x [illegible]

6732

[illegible]

28.595 = 2746

29.97 = 1328

7968

1336

Aug. 21. — Left Glinka village at 8 am. for the workmen, proceeding first to Japadnoi then along the beach past Sabatchia Diva to Palata, thence up the gully to Japalata, Siketchnichkaya, & Vodopad. Back in village 3 pm.

The weather was cloudy and chilly and in the morning there was a tremendous surf which compelled the seals, especially the pups to stay ashore. Hence the workers were uncommonly full. That the young were [illegible] badly in the surf was

(25) plainly shown as Sabatelea Dira, where we passing by along the beach caused a wholesale stampede into the sea. The surf was violent enough to throw the pups sideways and they had great difficulty in getting out into deeper water.

Between Zapadni and Sabatelea Dira we saw a great number of decayed young pups, probably a hundred or so, which were evidently placed ~~killed~~ a long time ago. Only a couple of recently dead pups which looked as

(21) if starved to death. a few, but only a few of the Japs which rushed into the sea appeared weak. One only was particularly so, and may die within a short time

Zapadni could not be approached on account of the wind blowing directly from us down upon it, but I photographed it from Volchinoff's ~~stack~~ station which I found after a long and laborious search, and also Palata from his station, just above the former. The decadence of Palata

(21) was particularly striking from this point with Volosinop photo before me. The entire foreground is now empty and covered with grass while in Volosinop time it was all bare of vegetation and shining clayey. - Japudni has shrunk at the south end since 1895, but not very much. The shrinkage on Palata was perceptible but not startling. There was evidently quite a number of young cows and bulls now plentiful in spite of the latness

(21) Of the season and Lukins assurance that they were much more numerous earlier in the season.

(Lukin says he counted before the arrival of the females about 2000 bulls on all the rookeries).

At the west end of Japalata the seals were about as numerous as in my plate 56, which indicates a falling off as today undoubtedly a great proportion were

(24) or closer than on that day
in 1895 when that picture
was taken. At the east
end, Towards Stolbi, there
was a decided falling off
at the middle portion, as
compared (1895)
but [illegible] towards
the [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
I was unable to notice 24½

AMANDRIDÆ

Newts

...ined batrachians with
...es extended over para-
thed processes.
...ecies constitute the
distribution is mainly
...e and Asia north of
America is only rep-
...cies. Habits aquatic
...tly harmless.

597 - II

Bergedorf

(24) or closer than on that day in 1895 when that picture was Taken. At the East end, Towards Stolbi, there was a decided falling off at the middle portion, as compared with pl. 55 (1895) but ~~at the east~~ nearest towards the Stolbi they are considerably denser than on that photo, which was taken on a fine sunshiny day with no smoke to speak of.

In Sikatchinskaya and Garaushkaya (Volvopas) I was unable to notice

(21) any decrease for want of suitable material for comparison.

From On the beach of Babri Kaya Dhoketa quite a number of Sikatchi and Potusikatchi could be seen.

Sabatcha Dina was passed on the beach. Compared with 1895 it showed a considerable falling off both at the south and the north end, but especially at the former where the seals used to be laying thinner.

Unili Kamen owned only 245

(21) be watched from a great distance, but the view was fairly satisfactory. Two large patches only were seen, viz. the one near Bruthergate, the other near the Ramsey; the entire middle portion of the beach was entirely bare. There appeared to be some shrinkage at the eastern end where the mass hardly extended beyond the head of the beach, but the remaining patch seemed to be dense and in the same comparatively good condition as noted last year (1896).

Glenka P. O. Aug 22

12 noon	Glenka Store	30.017	+56°
12 45 pm	Pass to Petersen	29.175	52
1.45	Left top	29.33	54
3 pm	Pass to Petersen again	29.165	52
3.25	Imperial Pass (summit)	29.07	52
	Left top to the South	29.01	54
4.45 pm	Glenka Store	30.008	55

29.07 = 1752

August 22. – At noon the fog lifted a little, though still hanging on the mountain tops, and as I thought that possibly it might have cleared on the working side too I took my camera and in spite of the sorrows and sorrows resulting from yesterday's tramp went to Petersen Pass & had a look at Mt. Hannan working and possibly a photograph or two. This working is very difficult to photograph

(22) and inquest at close
range. It cannot be
seen from above and the
only place on the beach from
which it shows up, partly
at least, is the Kamun it-
self, but that can only
be reached by low water
and consequently
which is now only accessible
evenings after dark.

There was a light bay
on the other side, but I
have hopes that the
photographs (62 & 63) which
I took from Petschauri
Bays, though distant, may
show some of the features

(22) of Uriti Kaumu. A good many females were in the water of the workers which consequently looked somewhat depleted compared with yesterday.

On the road to Pothami Bay I observed a large number of carcases and learned that a drive from Uriti Kaumu to Pothami Landing ground had been made to the village over the old road instead of to the new Pothami Salthouse, 2½ on July 12 (n.s.) the first drive for pork meat. It is a noteworthy fact

(22) ~~that~~ although the
number of skins taken
this year on Yukon
is larger than last year
the principal and leading
ground, Pelkhani, has
contributed ~~not little~~ nothing to
this number. It goes
to show with many other
facts that the greater
number of beavers taken
this year is due to a
closer scraping especially
per boat in the places
which formerly were left
untouched as inaccessible.
This also explains Lukin's

Glengarry
Fish Co. Ltd. cor. May / 0.S. 4 sets
1 male June 30.S.

(22) remark to me that the localities where they are now ~~waited~~ getting ~~from those~~ ~~about they~~ are mixed with the females [as on Dering Island] and they have been culled from them in the same manner. Karabkini skins the regular falling off in skins, hardly any having been obtained at Vostpas except the old landing ground, but chiefly from Stolp, where harems are also located. It thus seems that the localities have decreased

30 June o.s. in Unalaska 4 Obs.

			Total.	Diff.
1	Obs. 21 June.			
		from Vostok. 167	339.	6 1. 1.
		other places 172		
2	22 June.	Sikaka.	634	3 14. 1
3	23 "	Babi: Rad.	258	1 6 —
4	30 "	Unal, ~~Sit~~ Bay. Satoski D. Polat	128	3, 212. 62 ♯
5	6 July	Polat.	66 ♯	3 1 —
6	13	Satoski.	366	224 —
7	15	Zap. Sab. Unal	573	19. 10. 1
8	16	Zapolat.	457	8 11 1
9	18	Zapal Babi	321	— 1 —
10	22	Zapad. Unal	285	42 5 —
11	28	Zapal. Pol. Zap. Unal	221	13 — —
12	7 Aug.	Polat. ~~47~~	47	10 — .
13	28 "	Zapadn.	71	6 1 —

(22) to the extent of abandoning to a great extent their separate hunting grounds and that they have now to be gotten from among and around the harems.

In the evening I got some statistical information as to the number of seals taken etc.

The first (4) Sikakeki at Glinka workers in 1897 arrived May 13 (n.s.) the first female " June 15 "

The drives, their dates etc are shown in the following table

Litax lutris ♂ ad
Yenisei Copper R. Aug 28 '97.

Tot. length: tip of nose – tip of tail		inch
" straight line	1308 mm.	51 1/2
Length of tail	254 "	10
Width " "		38 mm 1 1/2
Length of ear		28 mm
Dist. ear from tip of nose		140 "
" eye " " " "		67 "
Longit. diam. of eye		12 "
Width " " "		10 "
Width of nose		35 "
Tip of nose to upper lip		41
Commissure of mouth		58
Length of fore flipper		200
Width of fore foot		55
Length of hind limb		355
" " foot		212
Extreme width between tips of extended hind toes		190
Width of hind foot at heel		50
Width between ant. ange of eyes		60
girth behind ears	356 mm	14 inch
" " fore legs	533 "	21 "
" middle of body	711 "	28 "
" before hind legs	559 "	22 "
Tip of nose to shoulder joint	253	9 31/4 "

275

(22)

Seals at Ghuka Rookeries 1897.

No	Date n. S.	Locality	Seals Killed					
					Full weight			
			Under 20 lbs weight	Under 70 lbs	Bitten	Cut	Uninjured	Total
1	Jul 3	Vostotchnoi 167 / Other places 172		6	1	1	331	339
2	" 4	Sikatchinsk.		3	14	1	616	634
3	" 5	Babi Podiom		1	6	—	251	258
4	" 12	Ural.; Pagan. Sab. Div.; Palat.		212	62	1	1008	1283
5	" 18	Palata		3	7	—	62	66
6	" 25	Sab. Dira		22	4	—	*340	366
7	" 27	Zapad. Sab. Ural		19	10	1	†543	573
8	" 28	Zapalata		8	11	1	437	457
9	" 30	Zapal.; Babin		—	4	—	317	321
10	Aug 3	Zapad.; Ural		42	5	—	238	285
11	" 9	Zapal.; Palat.; Zapad.; Ural.		13	—	—	208	221
12	" 19	Palata		10	—	—	47	57
13	" 20	Zapad n.	1	6	1	—	63	71
14	" 23	Bab. Podiom		3	—	—	23	26
15	" 26	Palata					19	19
		Total	1	348	119	5	4503	4976
			1	345	119	5	4451	4921
			1	348	119	5	4434	4947
			1	348	119	5	4493	4966

* including 1 matka
† including 1 " 4307

253

4921

Aug 23'97 — 26

6	3
6½	
7	7
7½	5
8	3
8½	2
9	1
9½	
10	2
10½	2
11	
11½	1
12	
	26

Natives killed.

Kaeab. { 130 ?
Aug 12 { 125 ? with "mek"

Aug. 23. — The men who went to the rookery side to bring the boat stationed there back to the village on their return killed 26 bachelors at Babinski Podium, 3 of which were under 6 lbs as follows:

Brin Aug 23'97, Bab. Pod. C. I.

6 lbs	—	3 skins	18 lbs.
6½ "		—	
7 "		7 "	49
7½ "		5 "	37.5
8 "		3 "	24
8½ "		2 "	17
9 "		1 "	9
9½ "		—	
10 "		2 "	20
10½ "		2 "	21
11 "		—	
11½ "		1 "	11.5
		26 "	207 lbs
		Average	8 lbs

287

C. I. received by Co:

1895 (rec'd '96) 270 dried grey skins
1896 (" '97) 230 [red tail in yel]

92 ('92) 204
92 ('93) 116
93 ('94) 104
94 ('95) 260
95 ('96 270
96 ('97) 230

Aug. 27 – The Copper Island population of canoe also forms a "community", but its income and expences are very different from that of Bering Island. The amount and manner of raising income varies according to the decision of the natives: sometimes a certain dues of seals is set aside for the community fund, sometimes the proceeds of sea-otters killed by the rifle, etc. The expenses are few, and small, like ~~a~~ chiefly the salary (5 rub. a month) to the

(27) clerk ~~The man who does~~
~~attends the~~, or secretary,
~~and~~ but the chief expense
is for the whiskey which
is bought for the community
by the barrel and divided
on the great church
holidays.

654

1897.— [Stunin] — Sievero-
Vostotchnaya Sibir.
II Komandorskie Ostrova.
L Pravitelstvennyi
(St. Petersburg)
Vestnik, 1897. No 27
2/14 Febr., p. 2.

(Resumé of lectures held
by Dr. Stunin in Nerchinsk.

237

In a Russian Library
Copy of the Treaties of
1878, the Lenuto
(Turquie) are shown
to exhibit Certain Rec-
clarations (the Government's
claim that he published
the text for the first Time.
How is the German Text. Imp.?

Yesterday work Reduction
on Vitrify Stone Blanks
about 9 or 10 days —
to clean Vitrify. for Blanks
the Cattle and goats
day 22

1827

1388
722
2110
12 1135
3245 +21.